

BYTE BANDITS
OF AMERICA

FEBRUARY

1988

1.

HELP:

It was never written, and also never a promise, that the computer you own would do the work for you. Like a pen or pencil, it will assist you in the accomplishment of a task. You pick your own tools. When you decided to own a computer, you picked it as a tool you wished to use. Like a pencil, it waits for you to apply it to your task at hand. The problems you have in using the computer are the same problems you would have if you picked some other tool to use. Overcoming any particular problem is up to you. If you put forth the same effort to "get going" as you set forth in finding problems to "delay" your efforts, you could already be well advanced in accomplishing your special projects. You must apply yourself in order for it to work. HELP is always available to you, but HELP won't do the work for you. YOU must be the one who works. Your efforts ONLY will accomplish the task. The Club is here to HELP you. It will, however, NOT force you to get started, or pacify you. The assurance you obtain from the Club is for work YOU began to accomplish on your own. Your coming to the Club meetings is all the assurance needed to lead you to your machine. We cannot do much more for you. So, if you apply yourself you will begin to do your tasks. If you don't know the next step, we can help you. If you're really lost, we can lead you forward, but the work itself is yours to accomplish. Call the Club (408/379-2774) when you need HELP. Let us know when you need HELP. Come to the meetings when you need HELP. But PLEASE, don't expect the Club to turn your machine ON for you. Who knows, we may need your HELP also.

MS-DOS WORLD OF COMPUTERS:

The Club supports the PC/MS-DOS computers. If you have questions about them, or you happen to own one of these machines, the Club has supported these machines for over three years. We have over 300 Public Domain disks in our collection. The Club book Library has many books for many Programs and Operating Systems. Seven of our monthly magazines are in direct support of those machines. Our Club Bulletin Board System (BBS) operates on a MS-DOS clone computer. Yes, we do support all the MS-DOS World computer systems. This also includes the PORTABLES that operate the MS-DOS environment.

MODEL II:

We again have the old business Model II Tandy computer at the house. We bought this machine at a reasonable price and now we shall continue to service those who own this machine. The Model II uses 8" disk drives and was the business world's workhouse for a long time. It still is a great machine.

COMPUTER ENHANCEMENTS:

Most Tandy computers allow the owner the ability to improve their computer system to give better performance, greater storage, faster speed, etc. Here is a listing of some enhancements you can have:

Model 1

- 40-80 Track Disk Drives (4)
- Double Density Storage
- RS-232 System
- Lower Case Alphabet
- Hard Disk System
- 256K Memory

Model III

- 40-80 Track Disk Drives (4)
- RS-232 System
- Hard Disk System
- 1 MegaByte Memory Upgrade
- Model IV Upgrade Board

Model IV

- Double Sided 40-80 Track Drives (4)
- 128K Memory Upgrade
- Hard Disk System
- 256-1 MegaByte Memory Upgrade
- High Speed (8 Mhz)
- High Resolution Graphics Board

Model 2-12-16

- Memory Upgrade 128K
- Hard Disk System
- External Bay Drives (3)
- UNIX Upgrade (12) to 16

Model 100-200-600

- Memory Upgrade 32-256K 10 Meg
- Disk Drive Upgrade (1)
- Assorted ROM Enhancements
- External Modem
- Light Pen

Models 1000,1200,etc.

See MS-DOS Books

You should not have to change your Computer to a new type of Model. Live within your Computer budget. Also, look at your collection of Programs. Can you afford to collect another set? Remember: Computers don't grow old or wear out - People grow old and nerves wear out.

2.

LONGLINK:

The laws of Physics make it difficult to transmit data over a Parallel Printer Cable that is longer than 15 feet without incurring unacceptable errors. LONGLINK solves this problem. A Parallel Interface Extender that can put up to 7500 feet between the Computer and the Printer. It can transmit 1200 characters per second, fast enough for almost any Laser Printer or regular Printer. It costs \$179.00. LONGLINK INTELLICOM, 9259 Eton Ave., Chatsworth, CA. 91311. Ph. 800/922-2882 or 818/882-8866 in Calif.

TRSDOS II BOOK:

After many months of hunting this book, we finally found it. This book is the KEY to the Model II Business Machine Hard Disk System. We tried Radio Shack USA and many other area leads. Most ended on a wrong book "dead end". Finally we got lucky and now we have a copy of the book.

LNW COMPUTERS:

The LNW Computers were a TRS-80 look-a-like Z-80 machine. Those who own a LNM should know that the Club can support this Computer with Softwares and Hardware Support. We can service these machines too. If you know somebody that owns a LNW, bring them to the Club Meetings with you.

BOOK OF THE MONTH:

"Writing MS-DOS Drivers". This book assists in the understanding of the DOS and its Sections. It also teaches how a Device Driver is created and installed in the MS-DOS. Another hidden asset is the answering of the question: "What do they mean?" If you ever wondered what, and how, each Assembly Language Instruction did. This book makes Assembly Language easy to use. I plan to use this book a lot also.

SPEED AND COLOR:

High Speed MS-DOS Clones (above 8 Mhz) are experiencing Boot-Up problems, etc., with their fast machines. The inexpensive Enhanced Graphics Assembly (EGA) Cards and the high speeds don't have enough tolerance to handle the higher speed Central Processor Unit (CPU), and bus speeds. Error conditions are intermittent and recondition of the ROM BIOS on Boot-Up is common. Most big brand Computer Companies are limiting the bus speed to 8 Mhz. For an EGA Card to operate correctly at higher speeds it should have 120 ns RAM Chips, low quality EGA Cards have 150 ns RAM, and slower ROM Chips.

MODEM SPEED-UP:

Thanks to Al NETZKE, the Club MS-DOS Clone is now operational at 2400 baud. The Ventel 2400 Plus will really help those who use the BBS and Ma Bell at long distant rates. We put it in operation on the 6th of January, 1988 and it really works well!

REBOOTING WITH BASIC:

The following instructions give a BASIC program the ability to "warm boot" the computer, bypassing the memory check.

```
10  REM Warm Boot
20  DEF SEG = &H40
30  POKE &H72,&H34
40  POKE &H73,&H12
50  DEF SEG = &HFFFF
60  RB = 0
70  CALL RB
```

To do a "cold" boot, forcing a recount of system memory and simulating a power on/off cycle, change the following two lines:

```
30  POKE &H72,0
40  POKE &H73,0
```

3.

HOW TO USE THE CLUB B.B.S.

Calling the Club B.B.S.-----408/379-2774

Set your Modem:

8 bit
No Parity
1 Stop Bit
300 or 1200 Baud

Note: If you obtain a busy signal - Simply dial back later

Log-on

First - Last Name
City - State
Password (If you have previously obtained it)

Main menu:

- (C) Chat with Sysop: Allows you to talk with Sysop - If he is available.
- (F) Files Transfer: This area is used to transfer Files TO or FROM the BBS
Upload = TO the BBS
Download = FROM the BBS
NAK = Awaiting your Modem

Transferring TO or FROM the BBS is AUTOMATIC
The process works without your messing with your Machine. SAVE your Files after you receive them.
You will NOT mess up the BBS if the transfer is interrupted - Simply try again.

(M) Message Base (two):

General	Anything Area
TRS-Club	Club Info

The Message Bases allow you to Post Messages to other Persons, or to Club Input.

Bulletins:	This is for Single Messages
Discussions	This is for Multi-Messages on Single Topics - Just add your own by entering a Topic Name exactly as the one posted.

(Z) Command:

This allows you to obtain a Password for Quick Log-On. Also, this allows your Account to be Recorded for future Log-Ons.

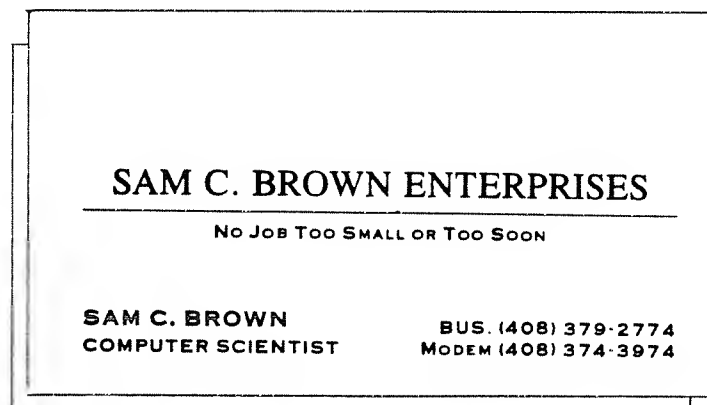
(S) System Info:

This tells you our Equipment used to operate the BBS.

- (N) Nulls:
This is from 0-50 Nulls. It speeds up or slows the BBS Screen so you can read the Screen or for use when your Printer is copying the Screen's Info. 0 = Fast 50 = Very Slow
- (U) User Log:
A list of those who used the BBS lately.
- (H) How Long:
Tells you the time you spent on the BBS today.
- (R) Reset Terminal:
Allows you to Reset to new BBS Parameters and continue on the BBS.
- (X) Expert User:
Abbreviates the Menu Commands.
- (E) Electronic Mail:
This is an area to Post Private Messages to someone. No-one else can read this mail.
REGISTERED forces a person to answer his mail.

Electronic Mail is Accessed ONLY by the E Command.
- (G) Good-by:
This Command signs you OFF the BBS correctly. Do NOT just disconnect. The BBS recycles in one (1) minute.
- (!) Run Log-On:
This allows you to ReLog-On the BBS if you changed your Log-On info.

The BBS won't Self-Destruct. If you try to make it CRASH you may DESTROY your Modem Disk!



BYTE BANDITS OF AMERICA
TRS-80 COMPUTER CLUB
780 Main Ave.
Campbell, CA. 95008

CLUB SERVICES

To those who are contemplating membership, or renewal, of your membership, these Club Services are yours to use throughout the year.

DUES

Dues of \$25.00 per year (Jan.-Dec.) are required. Make checks payable to "Robert W. Brown" (Tp: 408/379-2774)

INFORMATIONAL SERVICES

The Club Headquarters is available every day for those who require help in Programming, Hardware Installation, or Consultation. Each person's problems are a Priority and they are treated with care.

REPAIR SERVICES

The Club's Membership has repair oriented personnel capable of repairing, modifying, or up-grading all the Club's assortment of Computers. These repair personnel do quality work for a very modest cost. They are reliable and knowledgeable in the earliest and latest model computers.

ARCHIVES LIBRARY

The Club maintains a library of Programs and Documentations for the TRS-80 Tandy machines. These may be used by request. As this is a private collection, it's Programs are NOT to be sold or bartered.

PROGRAM OF THE MONTH

Each month the Club buys a Program for the Computers used by the Club. It is evaluated by members that have an interest in that Program. This Program is usually shown at the 4th Wednesday of the Month Meetings.

BOOK OF THE MONTH

The Club is active in a Computer Book Club in which a hard cover book is obtained each month for the Club Membership. These books can be checked out for 30 days. Monthly magazines are also included in this category:

- 80 Micro
- P.M.C.
- Portables
- Computer Shopper
- Assorted Retail Catalogs monthly
- PC Magazine
- Computer Currents
- Micro Times
- TRS-Times
- PC World

BULLETIN BOARD

Posting of messages - Programs transfer, along with postings of other Club services and events. Free to everyone. For learning of your Modem, or for buying or selling of equipment. The BBS is designed for all types of equipment. It is on-line 24 hours - 7 days a week - 300-1200 baud. Ph # 408/379-5100 39

CLUB'S MS-DOS COMPUTER

This Computer runs the Club's BBS System. It contains an assortment of (cards) for modifying, transferring, and repairing of Programs. It has an assortment of MS-DOS Programs and Public Domain Software for Club members to use for special purposes (by appointment). The machine stays at my home ALWAYS, and individuals may use it there.

- It contains an E G A COLOR SYSTEM plus:
- 20 Meg Hard Disk
- 3.5" Disk Drive
- PC Mouse
- 8 Serial Ports
- Joy Stick
- Dot Matrix Printer
- (2) 300-1200 baud Modems
- (2) 541/4" Disk Drives
- 640K Memory
- 8 Mhz Speed-up Mod. (Turbo)
- PC Copy Option Board
- 2 Meter Packet Radio System

This machine is shared with the Gavilan User Group and Sam C. Brown Ent.

MONTHLY NEWSLETTER

The articles are selected from the many publications the Club receives, plus commentaries from the Club Director and the membership.

NOTORIETY

Our Club has obtained fame Nationally-Internationally-as well as locally. This in itself is an honor for all of us. Our help to others is well known throughout the world. The Club is over 5 years old and is servicing all TRS-Tandy Computer Systems listed:

- Model 1 Tape-stringy-Disk-Hard Disk
- " 111 Home-Business
- " 1V Home-Business
- " 1VP Home-Business
- " 11 Business-Home
- " 12 Business-Home
- " 16 Business-Home
- All MS-DOS Machines Home-Business
- Portables 100-200-600-1400
- Pocket Computers 1 thru 6

NATIONAL SERVICES

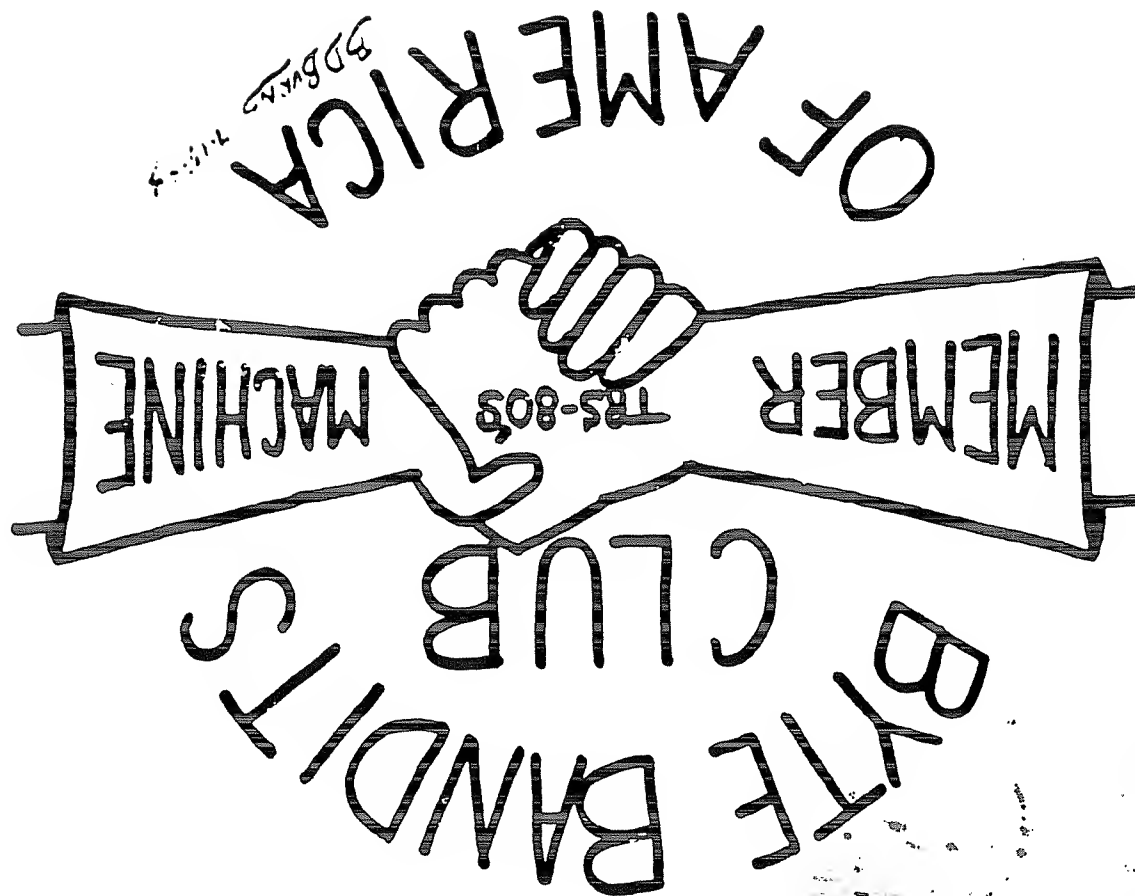
For those of you who live outside the Club's local boundaries, the Club will service you as you desire, or need, assistance. Your Membership provides the same services as local members. Mailing costs, etc. will be your responsibility. Feel free to use the Club Services and call, or write, as you wish.

CLUB STATUS

The Club is a private Club. It has no Tax Free Status. The liabilities of the Club are the responsibility of the Club Director. NO individual members will represent the Computer Club without prior approval of the Club Director.

Sincerely,

R. W. BROWN
Club Director



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TRS-80's Computer Clb
780 Marx Ave.
Campbell, CA 95008

